14   20   Building Blocks - extended by user types   16   18   12
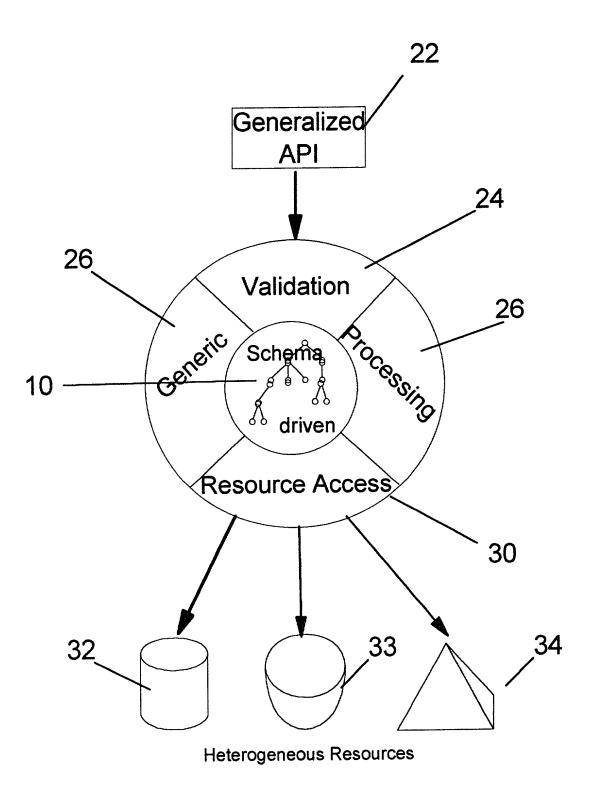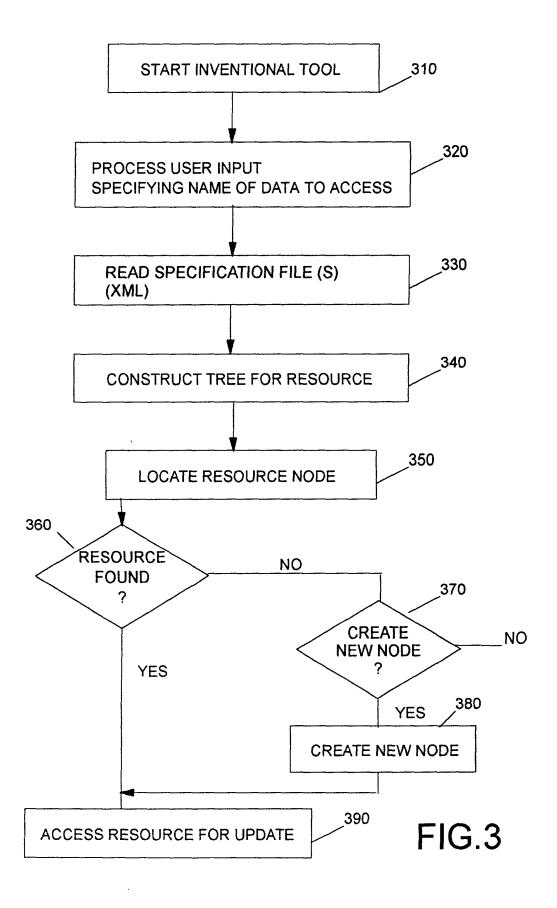
5   1
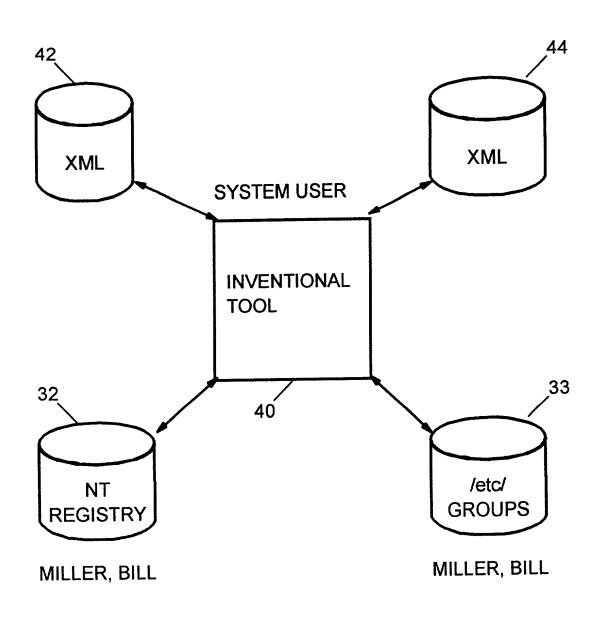
2

6   Resulting Resource Construct
• trough Combination of the
  Building Blocks

3

4

10

Single Type / Instance

Association   Function

Values   Plugins

Typedef

FIG.1

22

Generalized
API

24

26

Validation

Schema

Generic

Processing

10

driven

Resource Access

26

30

32

33

34

Heterogeneous Resources

FIG. 2

```
┌─────────────────────────────┐
│   START INVENTIONAL TOOL    │──── 310
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│   PROCESS USER INPUT        │──── 320
│   SPECIFYING NAME OF DATA TO ACCESS │
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│   READ SPECIFICATION FILE (S)│──── 330
│   (XML)                     │
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│   CONSTRUCT TREE FOR RESOURCE│──── 340
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│   LOCATE RESOURCE NODE      │──── 350
└─────────────────────────────┘
```

360

RESOURCE FOUND ?

NO

370

CREATE NEW NODE ?

NO

YES

YES 380

CREATE NEW NODE

390

ACCESS RESOURCE FOR UPDATE

FIG.3

42

44

XML

XML

SYSTEM USER

INVENTIONAL
TOOL

40

32

33

NT
REGISTRY

/etc/
GROUPS

MILLER, BILL

MILLER, BILL

FIG.4